

DIVISION FOR AIR QUALITY

Depending on the type of degreasing operation, complete the corresponding section *only*.

Emissions Point # _____

If more than one degreaser is located at this plant, make additional copies of this form, as necessary.

Emission Unit # _____

SECTION I COLD CLEANING DEGREASER ONLY

- 1) **Manufacturer** _____ **Model No.** _____ **Serial No.** _____
- Inside Dimensions of Tank (ft.):** Width _____ Length _____ Depth _____
- Freeboard height:** _____ feet
- Date Tank Installed** _____
- Type:** _____ Dip Tank _____ Spray Sink
- Maximum Operation:** Hours/day _____ Days/week _____ Weeks/year _____

- 2) **Solvent Type (Name and Manufacturer):** _____
- Attach MSDS for each solvent used.**
- Maximum Amount Used:** _____ Gallons/hour _____ Gallons/year
- Maximum Volatility at 100 °F:** _____ mm Hg

- 3) **Equipment Design: Is the degreaser equipped with:**
- Tank Cover:** ___ Yes ___ No **Agitation:** ___ Yes ___ No
- Drainage Board:** ___ Yes ___ No **If yes, check the type:**
- If yes, check the type:** ___ Internal ___ External ___ Pumped ___ Air
- Drainage Return (if external):** ___ Yes ___ No ___ Mechanical ___ Ultrasonic
- Is solvent sprayed?** ___ Yes ___ No **Heating:** ___ Yes ___ No
- Spray Pressure** _____ psi **If heated, give temperature:** _____ °F

- 4) **OPERATING PROCEDURE**
- Can degreaser be closed during degreaser operation?** ___ Yes ___ No
- Is degreaser cover closed when degreaser is not in use?** ___ Yes ___ No
- Are parts dry before removal from drying rack?** ___ Yes ___ No
- How are waste solvent and sludge disposed of?** _____

- 5) **INDICATE THE TYPE OF CONTROL DEVICES (if any):**
- ___ Refrigerated ___ Carbon Adsorption ___ Water Spray ___ Freeboard Ratio ≥ 0.7
- Other (specify):** _____

SECTION II OPEN TOP VAPOR DEGREASER ONLY

| | |
|-----|---|
| 6) | Manufacturer: _____ Model No. _____ Serial No. _____ Inside Dimension of Tank (ft.): Width _____ Length _____ Depth _____ Date Installed: _____ Freeboard Height _____ feet Is Solvent Sprayed? _____ Yes _____ No Spray pressure _____ psi Maximum Operation: Hours/day _____ Days/week _____ Weeks/year _____ |
| 7) | Solvent: Type (Name and Manufacturer): _____ Maximum Amount Used: _____ gallons/hour _____ gallons/year <i>(Attach MSDS for each solvent used)</i> |
| 8) | Indicate The Types Of Safety Switches The Degreaser Is Equipped With: _____ Condenser flow switch and thermostat (to shut off sump heat if condenser coolant either is not circulating or too warm). _____ Spray safety switch (to shut off spray pump if the vapor level drops more than four inches below the bottom condenser coil in order to prevent spraying above the vapor level). _____ Vapor level control thermostat (to shut off sump heat if the vapor zone rises above the design level). |
| 9) | Type of Vapor Level Controls: ___ Condensing Coil ___ Chilled Water or Refrigerant ___ None Temperature of the cooling liquid _____ °F |
| 10) | Method of Heating the Degreaser: _____ Gas ___ Electric _____ Steam Rating: _____ BTU/hr., or _____ KW |
| 11) | Type of Cleaning Action: _____ Sonic _____ Immersion in Liquid _____ Mechanical Mixing ___ Vapor Condensation _____ Spray _____ Other _____ |
| 12) | Tank Cover: ___ Automatic ___ Manual _____ None Is the tank covered when not in use? ___ Yes ___ No |
| 13) | How are Waste Solvent and Sludge Disposed of? _____ _____ |
| 14) | Indicate The Type of Control Device (if any): ___ Refrigerated Chiller ___ Carbon Adsorption ___ Enclosed Design ___ Freeboard Ratio ≥ 0.75 Other (specify): _____ |
| 15) | A. Are The Parts To Be Degreased Moved in and Out at a Vertical Speed of Less Than 11 ft./Min ___ Yes ___ No B. What is The Exhaust Air Flow? _____ Cfm |

SECTION III CONVEYORIZED DEGREASER ONLY

16) **Manufacturer:** _____ **Model No.** _____ **Serial No.** _____

Inside Dimension of Tank (ft.): Width _____ Length _____ Depth _____

Date Installed: _____ **Freeboard Height** _____ feet

Is Solvent Sprayed? _____ Yes _____ No **Spray pressure** _____ psi

Type: _____ Cold Solvent _____ Vapor Degreasing

Work Load Design Specifications _____

Maximum Operation: Hours/day _____ Days/week _____ Weeks/year _____

17) **Equipment Design:**
Does the degreaser have: _____ Drying tunnel _____ Tumbling or rotating baskets

Is the tank covered when not in use? _____ Yes _____ No

18) **Indicate The Types Of Safety Switches The Degreaser Is Equipped With:**

_____ Condenser flow switch and thermostat (to shut off sump heat if condenser coolant either is not circulating or too warm).

_____ Spray safety switch (to shut off spray pump if the vapor level drops more than four inches below the bottom condenser coil in order to prevent spraying above the vapor level).

_____ Vapor level control thermostat (to shut off sump heat if the vapor zone rises above the design level).

19) **Method of Heating the Degreaser:**
Maximum Amount Used: _____ Gallons/hour _____ Gallons/year

Maximum Volatility at 100°F: _____ mm Hg

20) **Indicate the Type of Control Device(s):**

_____ Refrigerated Chiller ___ Carbon Adsorption ___ Other (specify): _____

21) **Operating Parameters:**
Actual conveyor speed _____ ft/min.

Maximum vertical conveyor speed at exit or entrance of the degreaser _____ ft/min.

Flow rate of exhaust _____ cfm

Temperature of solvent bath _____ °F or _____ °C

22) **How are Waste Solvent, Sludge From the Still and Solvent From the Adsorber Disposed of?**
